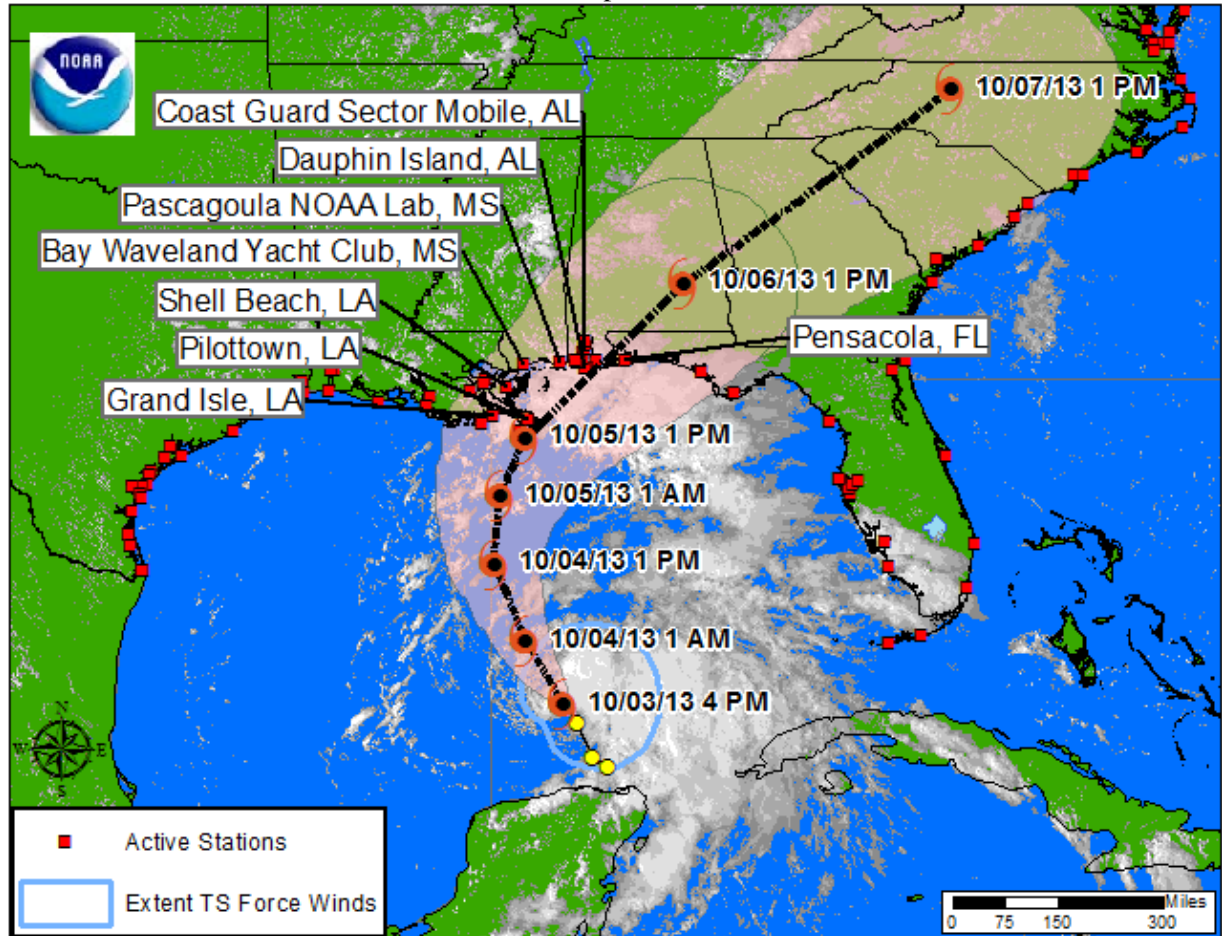




Tropical Storm KAREN QuickLook  
Posted: 17:00 CDT 10/03/2013

NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 10/03/2013 1700 CDT, water levels across the northern Gulf of Mexico are rising and range between 0.7 to 1.6 ft above predicted. Winds are increasing across the region, with gusts between 10 to 35 knots observed.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur. Water level predictions relative to Mean Lower Low Water (MLLW) are:

Grand Isle, LA: Next predicted high tides are 1.0 ft (0.32 m) at 10/03/2013 22:17 CDT and 1.2 ft (0.36 m) at 10/04/2013 22:17 CDT.

Pilottown, LA: Next predicted high tides are 0.6 ft (0.18 m) at 10/03/2013 23:17 CDT and 0.7 ft (0.22 m) at 10/04/2013 22:56 CDT.

Tropical Storm KAREN QuickLook, POSTED 17:00 CDT 10/03/2013

Shell Beach, LA: Next predicted high tides are 0.9 ft (0.29 m) at 10/04/2013 03:58 CDT and 0.9 ft (0.28 m) at 10/04/2013 17:42 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.5 ft (0.44 m) at 10/04/2013 00:51 CDT and 1.5 ft (0.45 m) at 10/04/2013 15:24 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.0 ft (0.29 m) at 10/03/2013 21:33 CDT and 0.9 ft (0.29 m) at 10/04/2013 14:08 CDT.

Dauphin Island, AL: Next predicted high tides are 1.1 ft (0.34 m) at 10/03/2013 22:31 CDT and 1.3 ft (0.40 m) at 10/04/2013 22:36 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.0 ft (0.30 m) at 10/04/2013 01:00 CDT and 0.9 ft (0.29 m) at 10/04/2013 16:21 CDT.

Pensacola, FL: Next predicted high tides are 1.2 ft (0.37 m) at 10/03/2013 23:09 CDT and 1.4 ft (0.42 m) at 10/04/2013 23:12 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:CMF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM KAREN ADVISORY NUMBER 3  
400 PM CDT THU OCT 03 2013

...TROPICAL STORM WARNING ISSUED FOR A PORTION OF SOUTHEASTERN LOUISIANA...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY...

A TROPICAL STORM WARNING IS IN EFFECT FROM GRAND ISLE LOUISIANA TO THE MOUTH OF THE PEARL RIVER. THIS DOES NOT INCLUDE METROPOLITAN NEW ORLEANS...LAKE MAUREPAS...OR LAKE PONTCHARTRAIN.

THE HURRICANE WATCH FROM DESTIN TO INDIAN PASS FLORIDA HAS BEEN CHANGED TO A TROPICAL STORM WATCH.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WATCH IS IN EFFECT FOR...

\* GRAND ISLE LOUISIANA TO WEST OF DESTIN FLORIDA

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* GRAND ISLE LOUISIANA TO THE MOUTH OF THE PEARL RIVER

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- \* WEST OF GRAND ISLE TO EAST OF MORGAN CITY LOUISIANA
- \* METROPOLITAN NEW ORLEANS
- \* LAKE MAUREPAS
- \* LAKE PONTCHARTRAIN
- \* DESTIN TO INDIAN PASS FLORIDA

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA. A WATCH IS TYPICALLY ISSUED 48 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL-STORM-FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

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AT 400 PM CDT THE CENTER OF TROPICAL STORM KAREN WAS LOCATED BY AIR FORCE RESERVE AND NOAA HURRICANE HUNTER AIRCRAFT ABOUT 400 MI S OF THE MOUTH OF THE MISSISSIPPI RIVER. KAREN IS MOVING TOWARD THE NORTH-NORTHWEST NEAR 12 MPH. A TURN TOWARD THE NORTH AND A DECREASE IN FORWARD SPEED ARE EXPECTED DURING THE NEXT 48 HOURS. ON THE FORECAST TRACK...THE CENTER OF KAREN IS EXPECTED TO BE NEAR THE COAST WITHIN THE HURRICANE WATCH AREA ON SATURDAY.

DATA FROM THE AIRCRAFT INDICATE THAT MAXIMUM SUSTAINED WINDS REMAIN NEAR 65 MPH WITH HIGHER GUSTS. SOME STRENGTHENING IS FORECAST IN THE NEXT DAY OR SO AND KAREN IS EXPECTED TO BE AT OR NEAR HURRICANE STRENGTH LATE FRIDAY AND EARLY SATURDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES MAINLY TO THE NORTH AND EAST OF THE CENTER.

THE LATEST MINIMUM CENTRAL PRESSURE MEASURED BY THE NOAA AIRCRAFT WAS 999 MB.

#### HAZARDS AFFECTING LAND

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WIND...HURRICANE CONDITIONS ARE POSSIBLE WITHIN PORTIONS OF THE HURRICANE WATCH AREA ON SATURDAY...WITH TROPICAL STORM CONDITIONS POSSIBLE AS SOON AS FRIDAY NIGHT. TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN PORTIONS OF THE TROPICAL STORM WARNING AREA BY FRIDAY NIGHT.

STORM SURGE...THE COMBINATION OF STORM SURGE AND THE TIDE WILL CAUSE

Tropical Storm KAREN QuickLook, POSTED 17:00 CDT 10/03/2013

NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

MOUTH OF THE MISSISSIPPI RIVER TO MOBILE BAY...2 TO 4 FT  
EAST OF MOBILE BAY TO WEST OF APALACHEE BAY...1 TO 2 FT  
APALACHEE BAY...2 TO 4 FT  
SOUTH OF APALACHEE BAY TO TAMPA BAY...1 TO 2 FT

THE HIGHEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST NEAR AND TO THE EAST OF WHERE LANDFALL OCCURS...WHERE THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

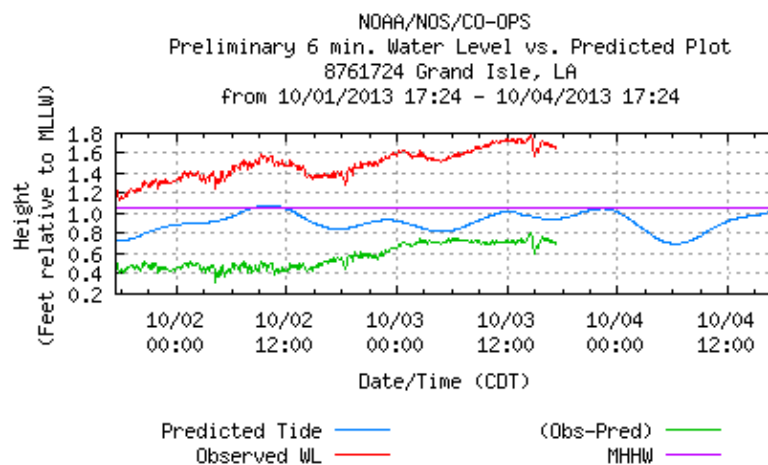
RAINFALL...KAREN IS EXPECTED TO PRODUCE RAINFALL AMOUNTS OF 4 TO 8 INCHES OVER PORTIONS OF THE CENTRAL AND EASTERN GULF COAST THROUGH SUNDAY NIGHT...MAINLY NEAR AND TO THE RIGHT OF THE PATH OF THE CENTER. ISOLATED STORM TOTAL AMOUNTS OF 12 INCHES ARE POSSIBLE. ADDITIONAL RAINFALL AMOUNTS OF 1 TO 2 INCHES ARE POSSIBLE OVER PORTIONS OF WESTERN CUBA AND THE NORTHERN YUCATAN PENINSULA.

FORECASTER BRENNAN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

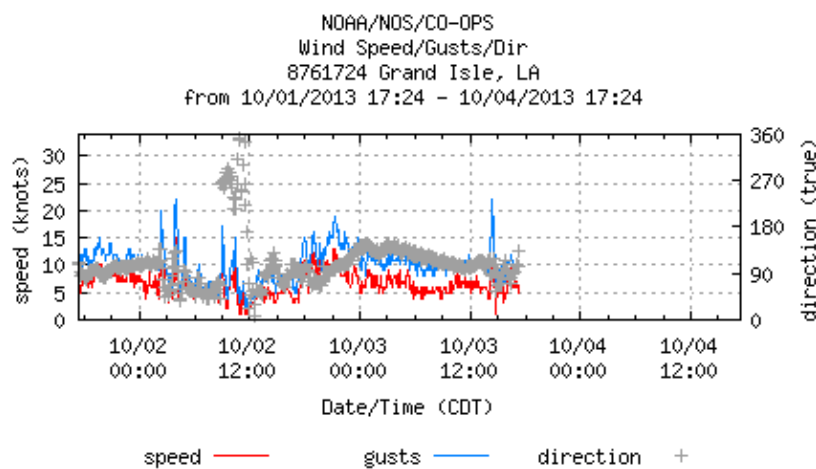
Jump to: [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [Pilottown - Water Level](#), [Pilottown - Winds](#), [Pilottown - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C. Port of Pascagoula - Winds](#), [Dock C. Port of Pascagoula - Barometric](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Dauphin Island - Barometric](#), [Coast Guard Sector Mobile - Water Level](#), [Coast Guard Sector Mobile - Winds](#), [Coast Guard Sector Mobile - Barometric](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Pensacola - Barometric](#)

Grand Isle, LA - Return to List



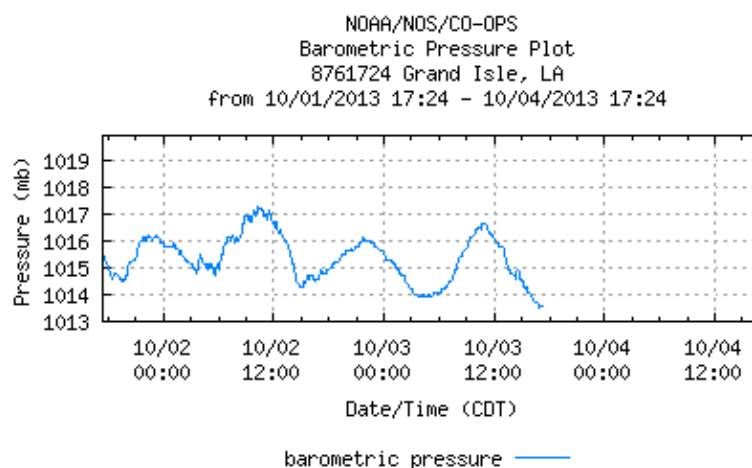
Last Observed Sample: 10/03/2013 17:18 (CDT)  
Relative to MLLW: **Observed: 1.67 ft.** **Predicted: 0.95 ft.** **Residual: 0.72 ft.**  
Historical Maximum Water Level: Aug 29 2005, 5.59 ft. above MLLW

Grand Isle, LA - Return to List



Last Observed Sample: 10/03/2013 17:18 (CDT)  
**Wind Speed: 5 knots** **Gusts: 9 knots** Direction: 105° T

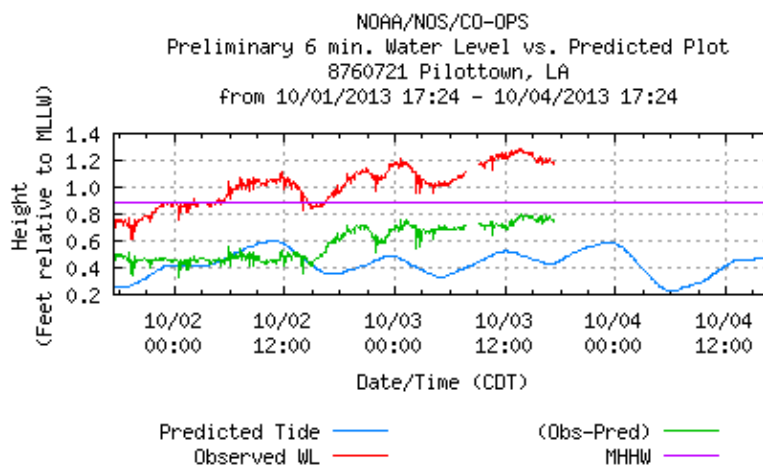
Grand Isle, LA - Return to List



Last Observed Sample: 10/03/2013 17:18 (CDT)

Barometric Pressure: 1013.6 mb

Pilottown, LA - Return to List

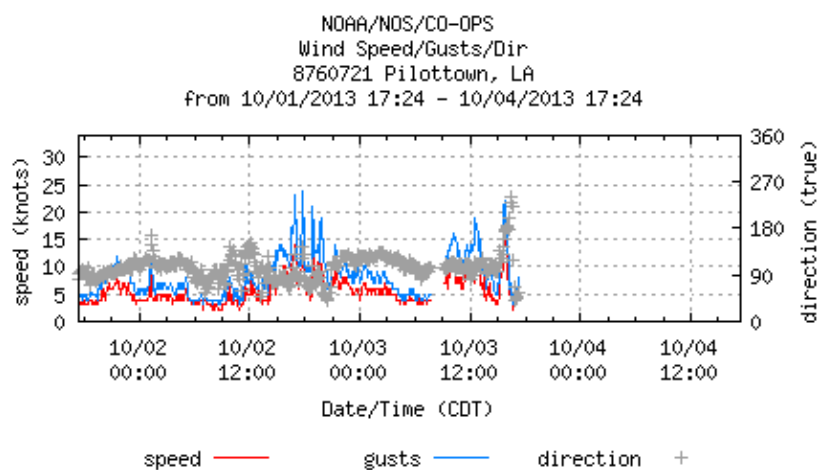


Last Observed Sample: 10/03/2013 17:18 (CDT)

Relative to MLLW: Observed: 1.17 ft. Predicted: 0.43 ft. Residual: 0.74 ft.

Historical Maximum Water Level: n/a

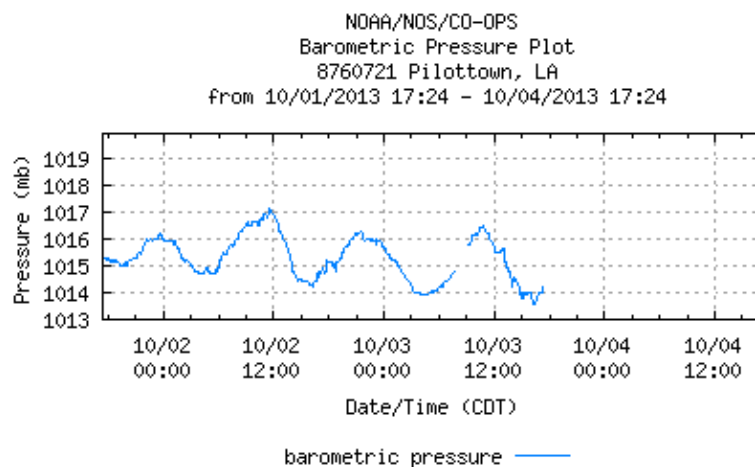
Pilottown, LA - Return to List



Last Observed Sample: 10/03/2013 17:18 (CDT)

Wind Speed: 6 knots Gusts: 8 knots Direction: 57° T

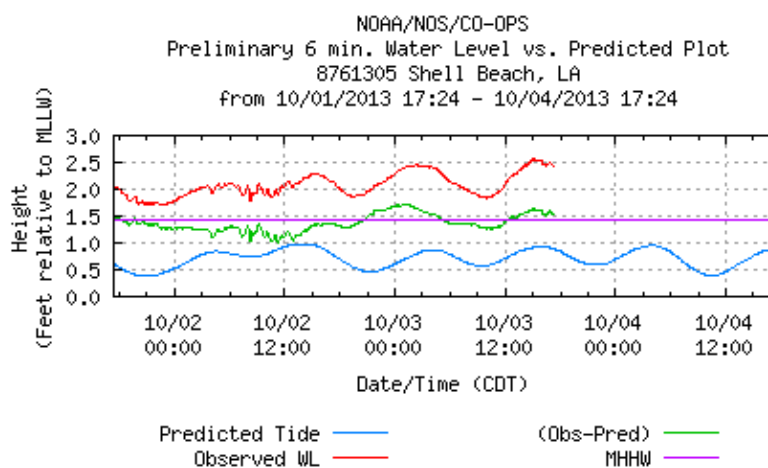
Pilottown, LA - Return to List



Last Observed Sample: 10/03/2013 17:18 (CDT)

Barometric Pressure: 1014.2 mb

Shell Beach, LA - Return to List

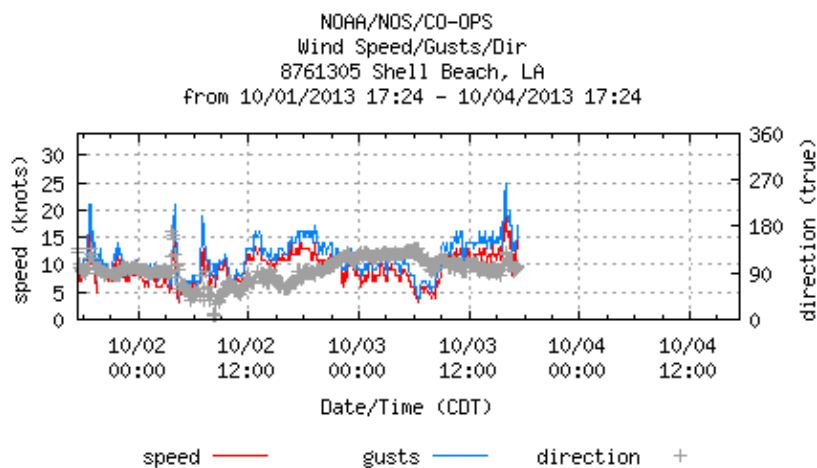


Last Observed Sample: 10/03/2013 17:18 (CDT)

Relative to MLLW: **Observed: 2.43 ft.** **Predicted: 0.89 ft.** **Residual: 1.54 ft.**

Historical Maximum Water Level: Aug 29 2012, 10.88 ft. above MLLW

Shell Beach, LA - Return to List

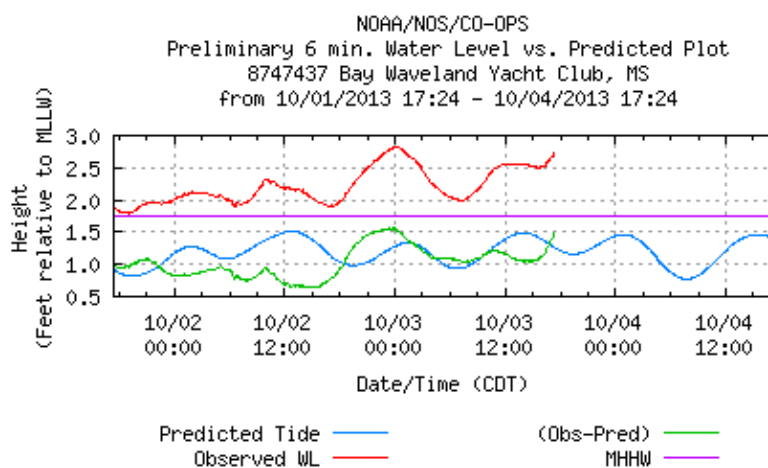


Last Observed Sample: 10/03/2013 17:18 (CDT)

**Wind Speed: 15 knots** **Gusts: 17 knots** **Direction: 105° T**



Bay Waveland Yacht Club, MS - Return to List

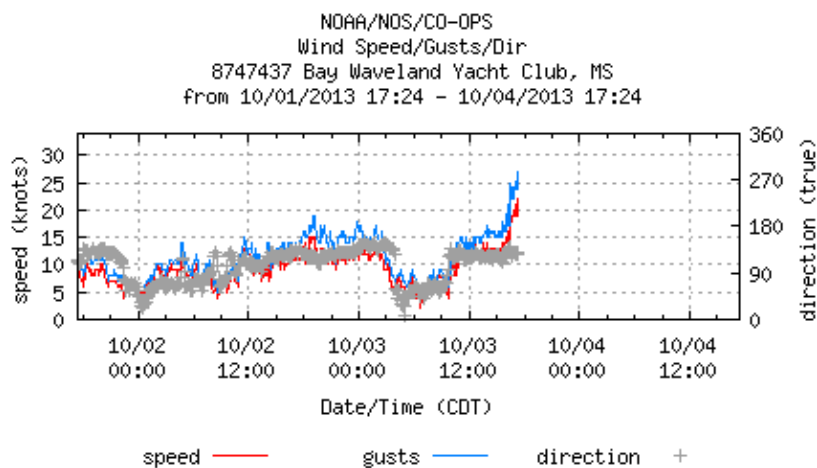


Last Observed Sample: 10/03/2013 17:18 (CDT)

Relative to MLLW: **Observed: 2.74 ft.** **Predicted: 1.26 ft.** **Residual: 1.48 ft.**

Historical Maximum Water Level: Sep 1 2008, 10.89 ft. above MLLW

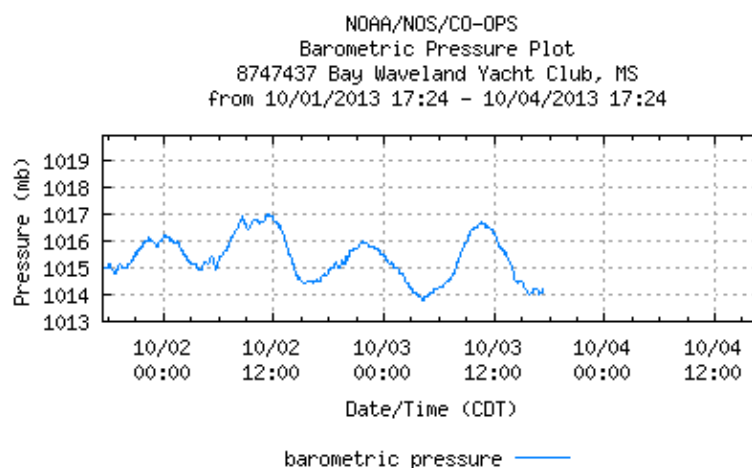
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 10/03/2013 17:18 (CDT)

**Wind Speed: 19 knots** **Gusts: 24 knots** **Direction: 126° T**

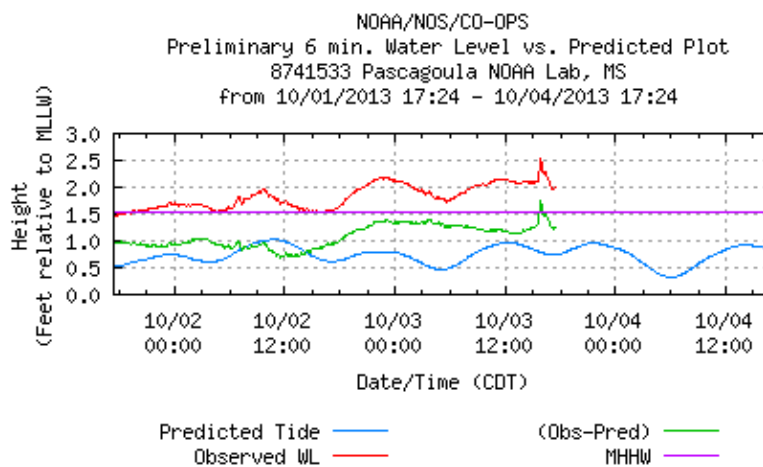
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 10/03/2013 17:18 (CDT)

Barometric Pressure: 1014.2 mb

Pascagoula NOAA Lab, MS - Return to List

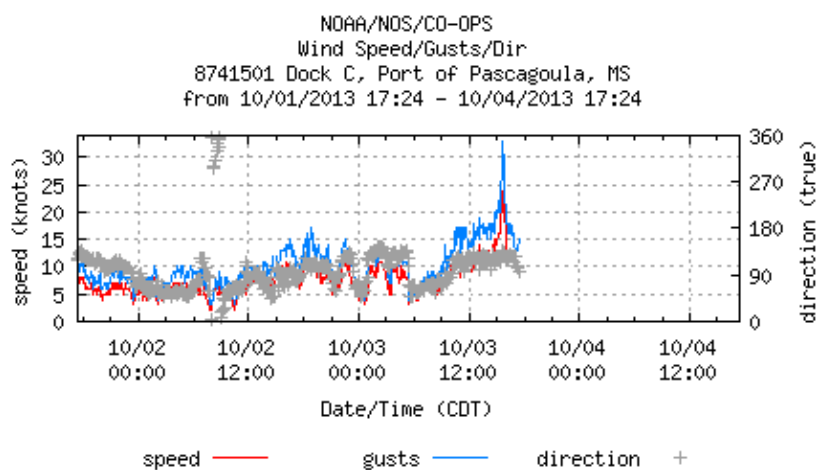


Last Observed Sample: 10/03/2013 17:24 (CDT)

Relative to MLLW: **Observed: 2.01 ft.** **Predicted: 0.75 ft.** **Residual: 1.26 ft.**

Historical Maximum Water Level: Sep 1 2008, 6.43 ft. above MLLW

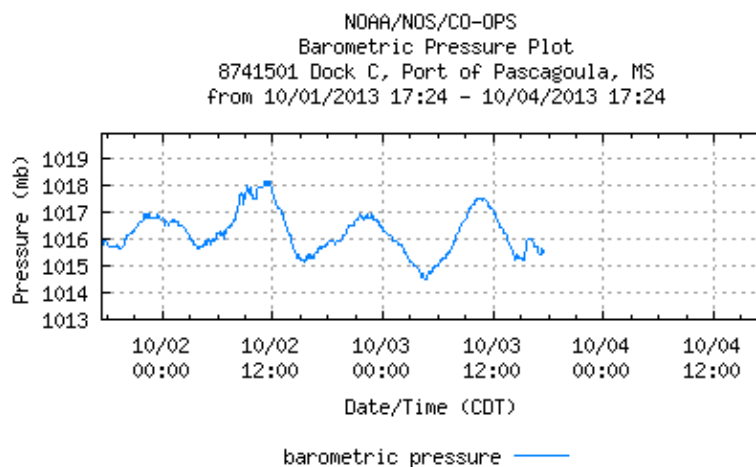
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 10/03/2013 17:24 (CDT)

Wind Speed: 9 knots Gusts: 15 knots Direction: 96° T

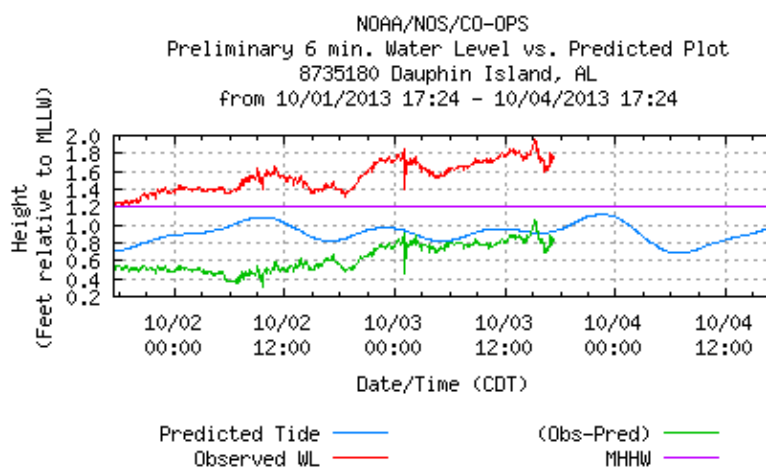
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 10/03/2013 17:24 (CDT)

Barometric Pressure: 1015.5 mb

Dauphin Island, AL - Return to List

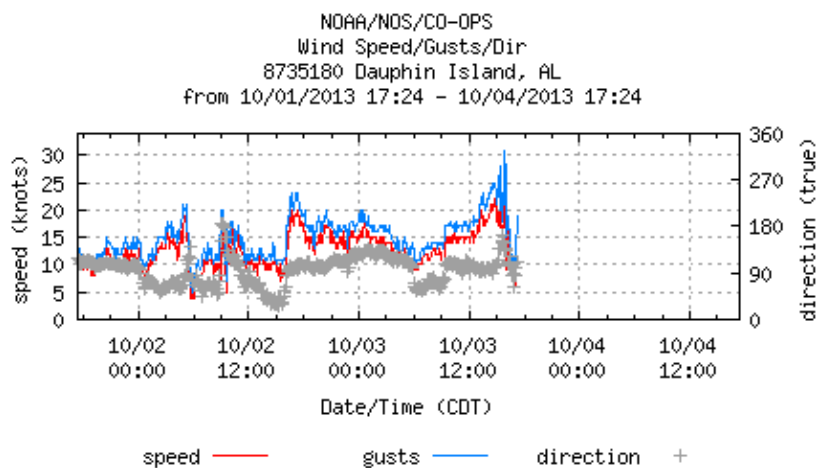


Last Observed Sample: 10/03/2013 17:12 (CDT)

Relative to MLLW: **Observed: 1.77 ft.** **Predicted: 0.92 ft.** **Residual: 0.85 ft.**

Historical Maximum Water Level: Sep 16 2004, 7.14 ft. above MLLW

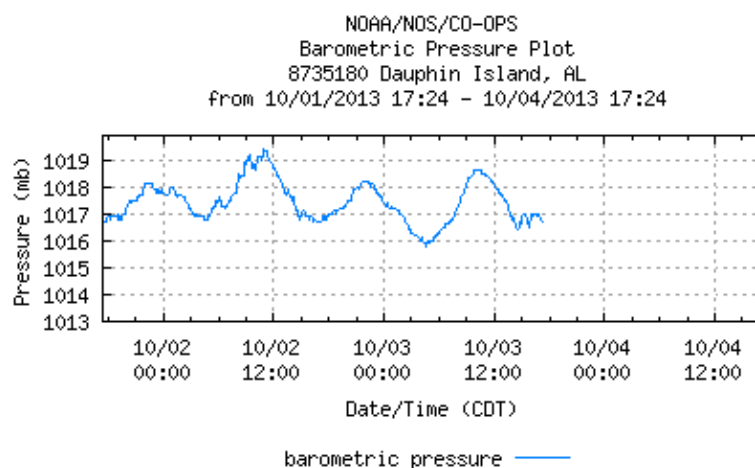
Dauphin Island, AL - Return to List



Last Observed Sample: 10/03/2013 17:12 (CDT)

**Wind Speed: 11 knots** **Gusts: 19 knots** **Direction: 111° T**

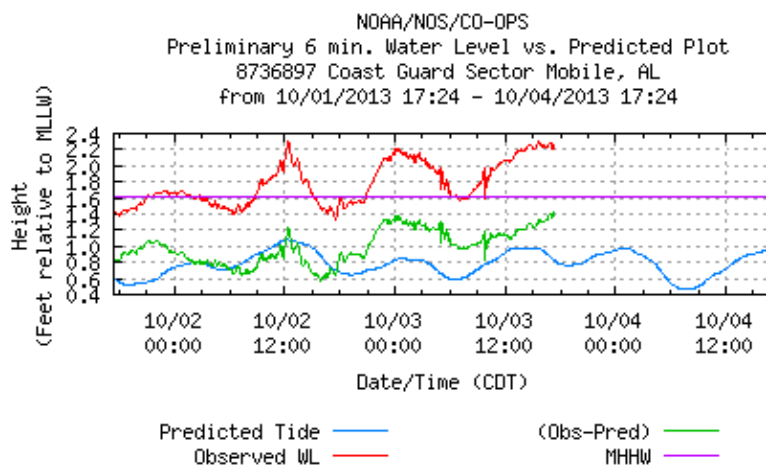
Dauphin Island, AL - Return to List



Last Observed Sample: 10/03/2013 17:12 (CDT)

Barometric Pressure: 1016.7 mb

Coast Guard Sector Mobile, AL - Return to List

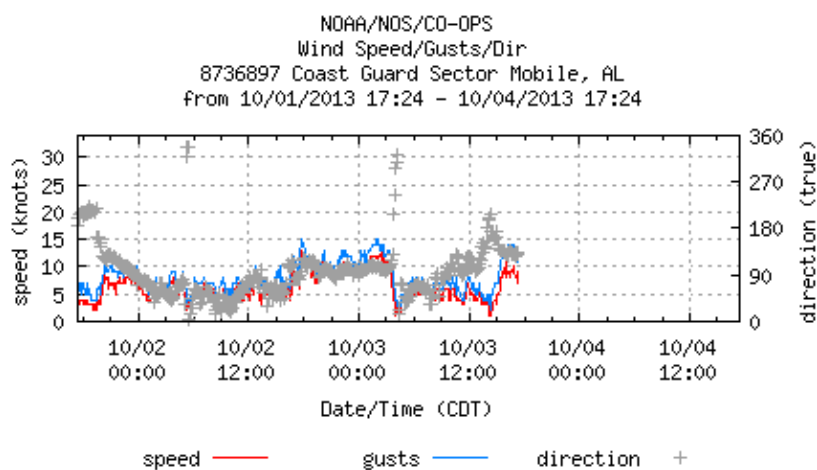


Last Observed Sample: 10/03/2013 17:18 (CDT)

Relative to MLLW: **Observed: 2.21 ft.** **Predicted: 0.83 ft.** **Residual: 1.38 ft.**

Historical Maximum Water Level: Sep 1 2008, 5.41 ft. above MLLW

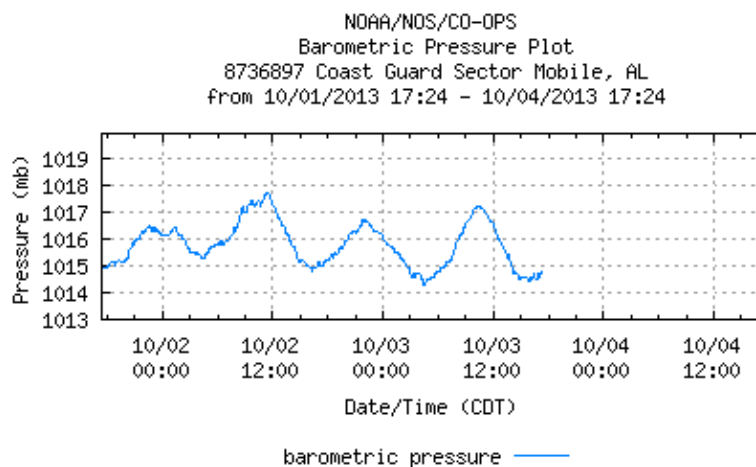
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 10/03/2013 17:18 (CDT)

Wind Speed: 7 knots Gusts: 11 knots Direction: 133° T

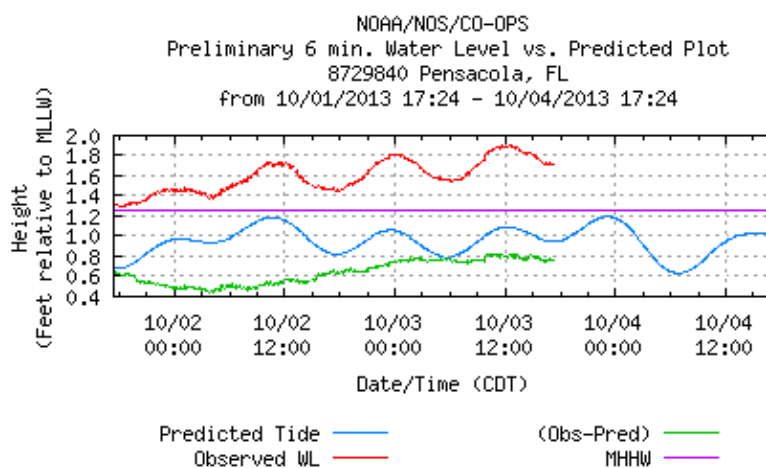
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 10/03/2013 17:18 (CDT)

Barometric Pressure: 1014.8 mb

Pensacola, FL - Return to List

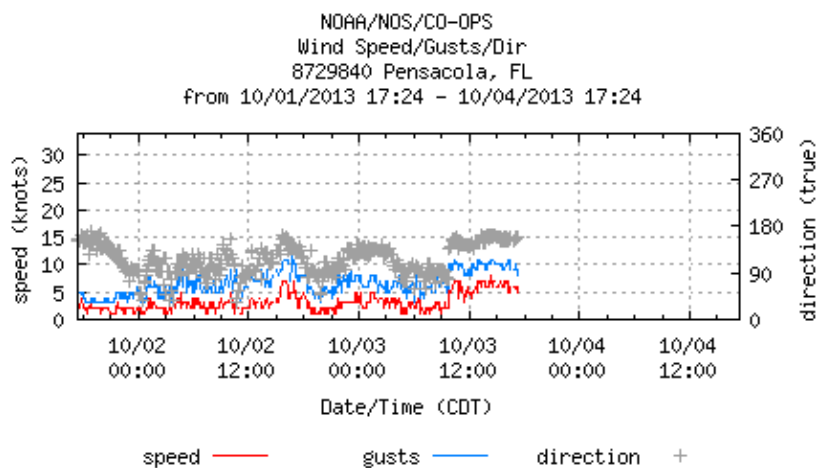


Last Observed Sample: 10/03/2013 17:18 (CDT)

Relative to MLLW: **Observed: 1.72 ft.** **Predicted: 0.95 ft.** **Residual: 0.77 ft.**

Historical Maximum Water Level: Sep 18 1926, 8.67 ft. above MLLW

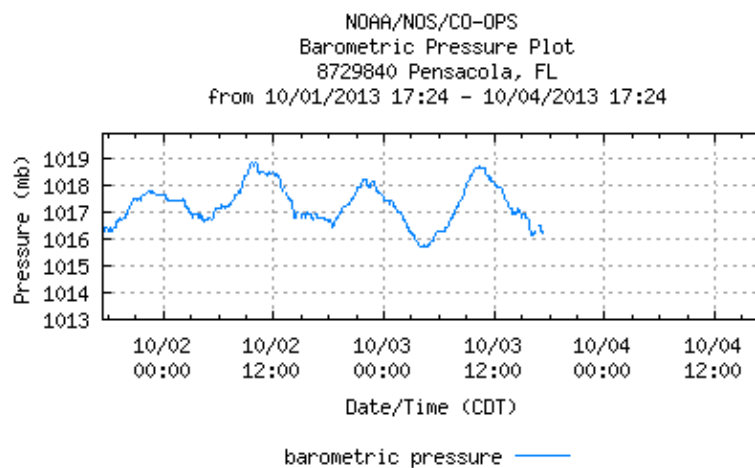
Pensacola, FL - Return to List



Last Observed Sample: 10/03/2013 17:18 (CDT)

**Wind Speed: 6 knots** **Gusts: 9 knots** **Direction: 158° T**

Pensacola, FL - Return to List



Last Observed Sample: 10/03/2013 17:18 (CDT)

Barometric Pressure: 1016.3 mb

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National Oceanic and Atmospheric Administration | U.S. Department of Commerce